# User Guide

## IMPORTANT SAFETY INSTRUCTIONS:

- Please read User Guide before using this product.
- Please keep User Guide for future reference.
- Please read the cautions to prevent possible danger and loss of property.

## FEATURES:

- High resolution: 1920×1080;
- Wide voltage: DC 7-24V;
- High brightness: 450cd/㎡;
- High contrast: 1000:1;
- SDI and HDMI cross conversion;
- Integrated recording info. display;
- Metal housing.

## CAUTIONS:

1. Please do not place the display screen towards the ground.
2. Please avoid heavy impact or drop onto the ground.
3. Please do NOT use chemical solutions to clean this product. Please wipe with a clean soft cloth to maintain the brightness of the surface.
4. Please do not block any vent hole.
5. Please follow the instructions and trouble-shootings to adjust the product. Other improper adjustment may result in damage. Any further adjustment must be performed or conducted by a qualified technician.
6. Please unplug the power and remove the battery if long-term no-use, or thunder weather.

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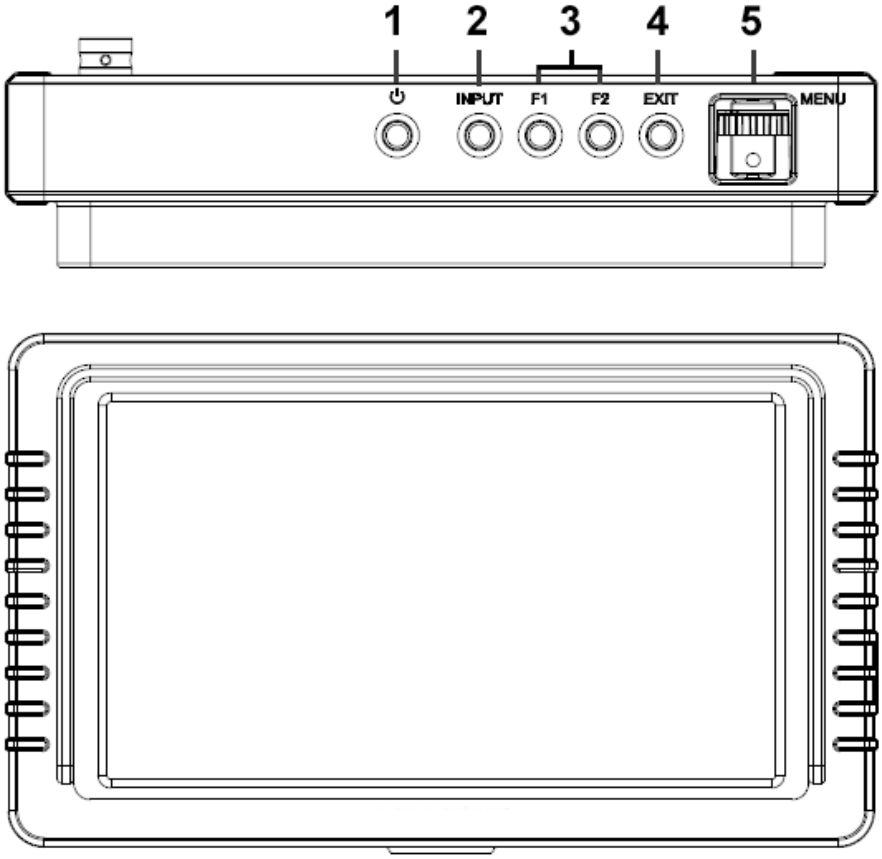
# 1. PRODUCT DESCRIPTION




1．Power ON/OFF.

2．INPUT: circularly switch among of SDI and HDMI.

3．F1、F2、User-definable buttons.

**Default functions: （function customized to meet your needs）**

**F1 Waveform F2 Scan**

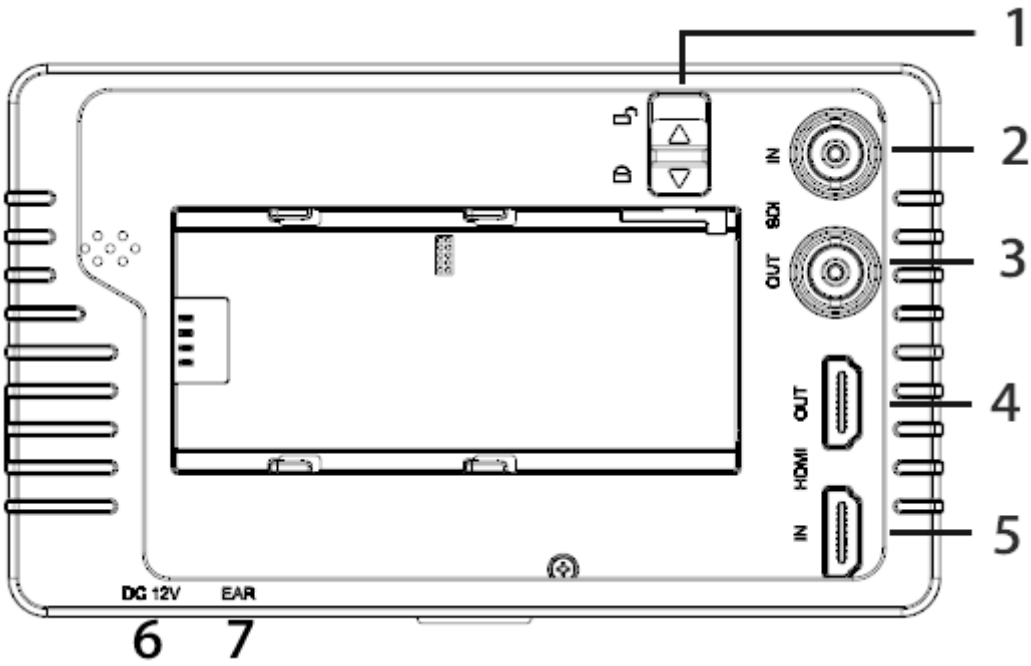
4．EXIT

5．MENU Dial: Turn the dial to adjust volume;

Menu function: press to activate menu displayed on screen when power on.

Option function: select option via dialing to the left or right.

Confirm function: press to confirm after option selected.




1. Battery plate switch.
2. SDI input interface.
3. SDI output interface.
4. HDMI output interface.
5. HDMI input interface.
6. DC 12V power input.
7. Earphone jack

## 2. DV BATTERY MOUNT PLATE

### Standard mounts process

Following four types of battery plates are suitable for this device, model F970, QM91D, DU21 & LP-E6 (choose 2 out of 4).

MODEL: F-970

MODEL: QM91D

MODEL: DU21

MODEL: LP-E6

DV Battery Mount Plate:

## DV Battery Mount Plate Specification:

Model DU21 for battery of Panasonic DV:
NV-GS/PV-GS/DZ-MV/GS/H28/H258/H288GK series, comply with Panasonic battery DU06/VBD140/SANYO DZhs301sw/Hitachi DZ-HS303SW/BZ-BP14S/DZ3200/BP07W.

Model QM91D for battery of SONY DV:
DSCR1/F/S/MVCCD/E/HC15E/HC1E/AE1u/DCRTRV828/E/CCD-TRV 116/DCR-DVD/PS105K/300K/10P/1E series.

Model F970 for battery of SONY DV:
DCR-TRV series, DCR-TRV E series, VX2100E PD P series, GV-A700, GV-D800 FD/CCD-SC/TR3/FX1E/HVR-AIC, HDR-FX1000E, HVR-Z1C, HVR-V1C, FX7E F330.

Model LP-E6 for battery of Canon DSLR:
5D Mark II/5D Mark III/EOS7D/EOS60D;

# 3. MENU SETTING

**Before setting the functions, please make sure the device is connected correctly.**

## 3-1. Shortcut keys:

### 3-1-1. the image menu

Dialing to the left or right when power on, brightness will appear at the bottom of the screen, then press the dial to switch among of brightness, sharpness, contrast, saturation, volume, tint, MENU and Exit. User can adjust the value of the selected option via the dial.

### 3-1-2. F1-F2 2 user-definable function buttons:

Long press any F1-F2 key for 3-5 seconds to pop-up shortcut menu directly. As shown in Figure (default menu button in white font).

Select option via dialing to the left or right.

Press to confirm option as default, then press EXIT to exit.

Functions of F1-F2 buttons can also be customized: Center Marker, Aspect Marker, Check Field, Underscan, Scan, Aspect, DSLR, Freeze, H/V Delay, Peaking, False Color, Exposure, Histogram, Level Meter, Waveform and Time Code.

F1-F2：2 user-definable function buttons

**Default function:**

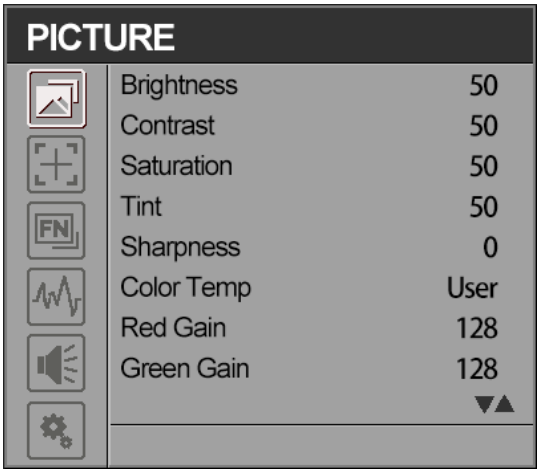
**F1 Waveform** **F2 Scan**

## 3-2. MENU Operation

When power on, press “**MENU”** on the device. The menu of function setting will display on the screen.

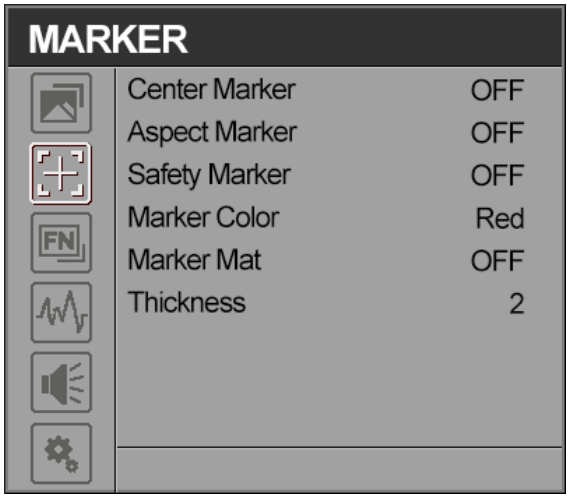
Dialing left or right to choose menu, and press to confirm, and then press EXIT to return.

### 3-2-1、Picture



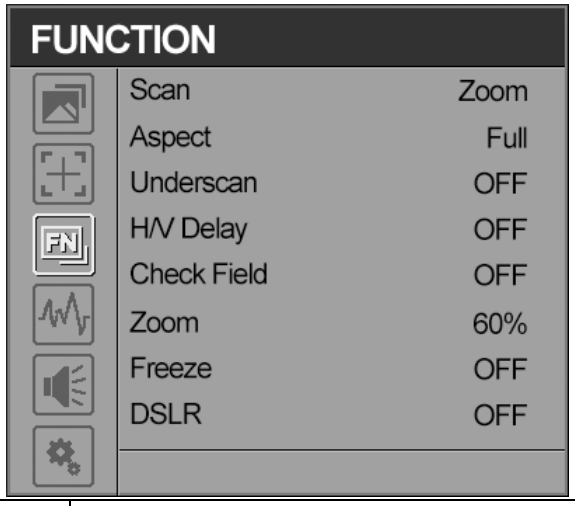

| ITEMS | OPTIONS | | |
|---|---|---|---|
| Brightness | 0 – 100 | | |
| Contrast | 0 – 100 | | |
| Saturation | 0 – 100 | | |
| Tint | 0 – 100 | | |
| Sharpness | 0 – 100 | | |
| Color Temp | 5500ºK /6500ºK/7500 ºK/9300 ºK/User | | |
| | Red Gain | 0 – 255 | Note: Available only under “User” mode to choose the color value you need. |
| | Green Gain | 0 – 255 | |
| | Blue Gain | 0 – 255 | |
| | Red Offset | 0 – 511 | |
| | Green Offset | 0 – 511 | |
| | Blue Offset | 0 – 511 | |

### 3-2-2、Marker



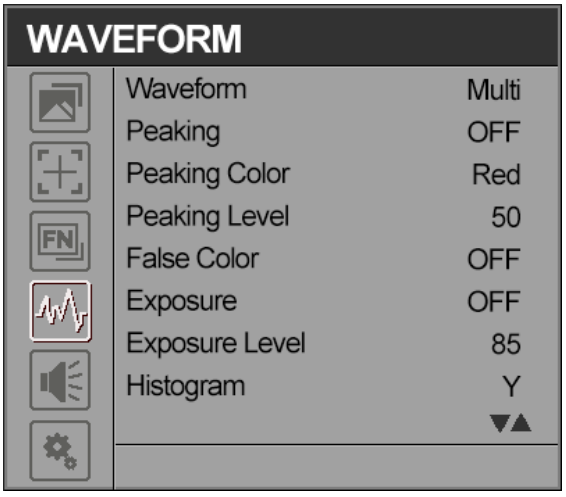

| ITEMS | OPTIONS |
|---|---|
| Center Marker | OFF, ON |
| Aspect Marker | OFF, 16:9, 1.85:1, 2.35:1, 4:3, 3:2 |
| Safety Marker | OFF, 95%, 93%, 90%, 88%, 85%, 80% |
| Marker Color | Red, Green, Blue, White, Black |
| Marker Mat | OFF, 1– 7 |
| Thickness | 2, 4, 6 |

### 3-2-3、Function



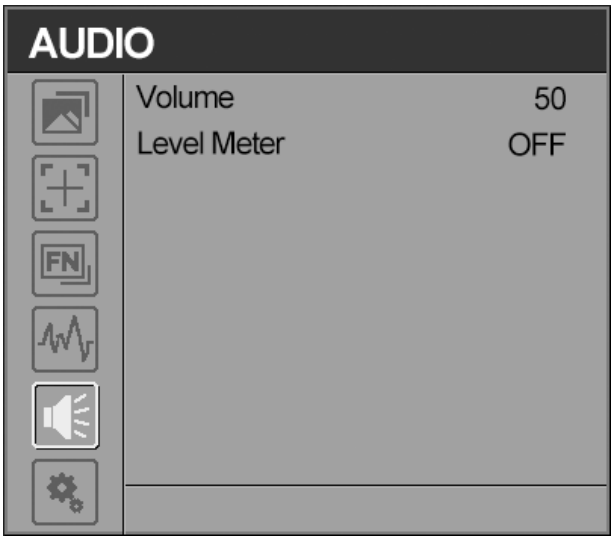

| ITEMS | OPTIONS |
|---|---|
| Scan | Zoom, Aspect, Pixel TO Pixel<br>**(Options can be adjusted only under scan mode.)** |
| Aspect | Full, 16:9, 1.85:1, 2.35:1, 4:3, 3:2 |
| Underscan | OFF, ON |
| H/V Delay | OFF, H, V, H/V |
| Check Field | OFF, Red, Green, Blue |
| Zoom | 10%~90% **(step value is 10%)** |
| Freeze | OFF, ON |
| DSLR | OFF, 5D2, 5D3 |

### 3-2-4、Waveform



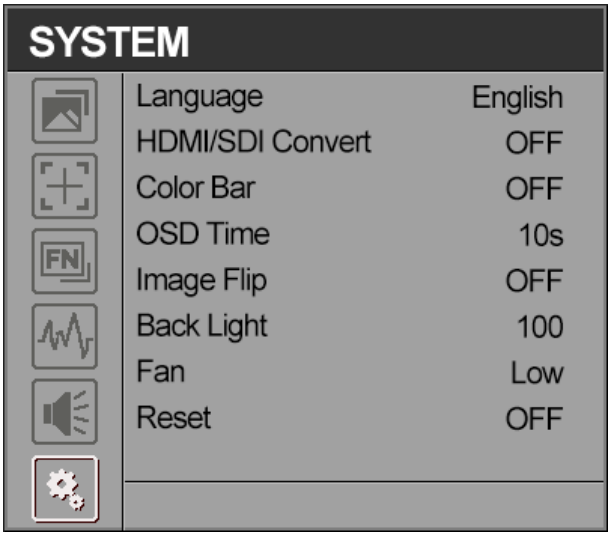

| ITEMS | OPTIONS |
|---|---|
| Waveform | Multi、Y、YCbCr、RGB、OFF |
| Peaking | OFF, ON |
| Peaking Color | Red, Green, Blue, White |
| Peaking Level | 0 – 100 |
| False Color | OFF, ON |
| Exposure | OFF, ON |
| Exposure Level | 0 – 100 |
| Histogram | Y, RGB, Color |
| Time Code | OFF, LTC, VITC **(available under SDI mode only.)** |

### 3-2-5、AUDIO




| ITEMS | OPTIONS |
|---|---|
| Volume | 0 – 100 |
| Level Meter | OFF, ON<br>**(default as on under waveform multi function.)** |

### 3-2-6、SYSTEM




| ITEMS | OPTIONS |
|---|---|
| Language | English, Chinese |
| HDMI/SDI Convert | OFF, ON |
| Color Bar | OFF, 100%, 75% |
| OSD Timer | 10s, 20s, 30s |
| Image Flip | OFF, H, V, H/V |
| Back Light | 0 – 100 |
| Fan | Low, High |
| Reset | OFF, ON |

***HDMI/SDI cross conversion function can realize signal transmits from SDI input to HDMI output and from HDMI input to SDI output.**

# 7. ACCESSORIES

1. Silicon rubber case 1 piece
2. Folding sun shade cover 1 piece
3. 12V DC adapter 1 piece
4. HDMI A/C cable 1 piece
5. Shoe mount 1 piece
6. Battery plate(QM91D, DU21, F970 or LP-E6) 2 pieces
7. Manual 1 copy
8. Battery (Optional) 1 piece

# 8. PARAMETERS

| | |
|---|---|
| Panel | 5.5” |
| Aspect Ratio | 16:9 |
| Physical Resolution | 1920×1080 (401ppi) |
| Brightness | 450 cd/㎡ |
| Contrast | 1000: 1 |
| Viewing Angle | 160°/ 160°(H/V) |
| Input Voltage | DC 7-24V |
| Input Signal | 3G-SDI, HDMI |
| Power Consumption | ≤12W |
| Operating Temperature | -20℃~60℃ |
| Storage Temperature | -30℃~70℃ |
| Dimension (LWD) | 154.5×90×20mm |
| Weight | 290g / 320g(with case) |

# 9. TROUBLE SHOOTING

**1. Only black-and-white display:**

Check whether the color saturation is properly setup or not.

**2. Power on but no pictures:**

Check whether the cables of 3G-SDI and HDMI are correctly connected or not. Please use the standard power adapter coming with the product package. Improper power input may cause damage.

**3. Wrong or abnormal colors:**

Check whether the cables are correctly and properly connected or not. Broken or loose pins of the cables may cause a bad connection.

**4. When on the picture shows size error:**

Press “MENU → FUNCTION → Underscan” to zoom in/out pictures automatically when receiving HDMI signals

**5. Other problems:**

Please press “MENU” button and choose “MENU→SYSTEM→ Reset →ON”

**6. According to the ISP, the machine can not function properly:**

ISP for program upgrades, non-professionals do not use. Please reboot your device if press accidentally!

**Note: due to constant effort to improve products and product features, specifications may change without notice.**